

ABSTRACT

X-RAY DIFFRACTION APPARATUS AND METHOD

A high resolution X-ray diffraction apparatus includes a source 4 of X-rays and a slit 6 to direct a collimated beam of X-rays 11 onto a sample 16 on a sample stage 8. Detector 10 records the intensity of diffracted X-rays as a function of position along its length. The geometry allows high resolution without the use of a monochromator.

[Figure 3]